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Appl. No. 10/733,042 Reply to Office action of April 20, 2007

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This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- (amended) An isolated nucleic acid molecule The nucleic acid molecule of claim 6
 comprising an avian matrix attachment region and an avian ovalbumin transcriptional
 regulatory region.
- (amended) The nucleic acid molecule according to of Claim 6 1, further comprising a second matrix attachment region.
- 3. (amended) The nucleic acid molecule according to of Claim 6 1, comprising an avian 5' matrix attachment region and an avian 3' matrix attachment region.
- 4. (amended) The nucleic acid molecule according to of Claim 6 1, wherein the nucleic acid molecule is isolated from a chicken cell.
- 5. (canceled)
- 6. (amended) The nucleic acid molecule according to Claim 1, A nucleic acid molecule comprising a nucleotide sequence having at least about 95% identity to the nucleotide sequence according to of SEQ ID NO: 1, or the complement thereof.
- 7. (amended) The nucleic acid molecule according to of Claim 6 1, comprising a nucleotide sequence having at least about 99% identity to the nucleotide sequence according to of SEQ ID NO: 1, or the complement thereof. —
- 8. (amended) The nucleic acid molecule according to of Claim 6 1, comprising the nucleotide sequence according to of SEQ ID NO: 1, or the complement thereof.

- 9. (amended) The nucleic acid molecule according to of Claim 6 1, wherein the nucleic acid molecule consists of the nucleotide sequence according to of SEQ ID NO: 1, or the complement thereof.
- 10. (canceled)
- 11. (canceled)
- 12. (canceled)
- 13. (canceled)
- 14, (canceled)
- 15. (canceled)
- 16. (canceled)
- 17. (canceled)
- 18. (canceled)
- 19. (canceled)
- 20. (canceled)
- 21. (canceled)
- 22. (canceled)

- 23. (amended) A vector having inserted therein a nucleic acid molecule according to Claim 1
 comprising a nucleotide sequence having at least about 95% identity to the nucleotide
 sequence of SEQ ID NO: 1.
- 24. (amended) The vector according to of Claim 23 selected from the group consisting of an artificial chromosome, a plasmid vector and a viral vector.
- 25. (amended) A liposome composition comprising a the nucleic acid molecule according to of Claim 1.
- 26. (amended) The nucleic acid molecule according to Claim 1, A nucleic acid molecule comprising a nucleotide sequence having at least about 95% identity to the nucleotide sequence of SEQ ID NO: 1 wherein the nucleic acid molecule is a recombinant nucleic acid molecule.
- 27. (canceled)
- 28. (canceled)
- 29. (amended) The recombinant nucleic acid molecule according to of Claim 26, further comprising a <u>first polypeptide-encoding region heterologous nucleic acid sequence</u> operably linked to the ovalbumin transcriptional regulatory region.
- 30. (amended) The recombinant nucleic acid molecule according to of Claim 26, further comprising an endogenous nucleic acid sequence operably linked to the ovalbumin transcriptional regulatory region.
- 31. (amended) The recombinant nucleic acid molecule according to of Claim 26, wherein the ovalbumin transcriptional regulatory region is capable of tissue-specific transcription by an avian oviduct cell.

- 32. (amended) The recombinant nucleic acid molecule according to of Claim 26, further comprising an Internal Ribosome Entry Site.
- 33. (amended) The recombinant nucleic acid molecule according to of Claim 29 32, further comprising a second heterologous nucleic acid-sequence polypeptide encoding region operably linked to the Internal Ribosome Entry Site.
- 34. (canceled)
- 35. (amended) The vector according to of Claim 34 selected from the group consisting of a bacterial artificial chromosome, a yeast artificial chromosome, a plasmid vector and a viral vector.
- 36. (amended) The recombinant nucleic acid molecule according to of Claim 26, further comprising a polyadenylation signal sequence.
- 37. (amended) The recombinant nucleic acid molecule according to of Claim 29, wherein the heterologous nucleic acid sequence encoding the encodes a polypeptide has having a codon complement optimized for protein expression in an avian.
- 38. (amended) The recombinant nucleic acid molecule according to of Claim 26 further comprising an origin of replication selected from the group consisting of a bacterial origin of replication and a viral origin of replication.
- 39. (amended) The recombinant nucleic acid molecule according to of Claim 26 which A nucleic acid molecule comprising a nucleotide sequence having at least about 95% identity to the nucleotide sequence according to of SEQ ID NO: 1 comprises is a bacterial artificial chromosome.

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- (canceled) 40.
- (canceled) 41.
- 42-70 (canceled)
- (new) The nucleic acid molecule of Claim 6 comprising a heterologous coding sequence 71. encoding a pharmaceutical protein.

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- (new) The vector of Claim 23 comprising a heterologous coding sequence encoding a 72. pharmaceutical protein.
- (new) The nucleic acid molecule of Claim 26 comprising a heterologous coding sequence 73. encoding a pharmaceutical protein.
- (new) The vector of Claim 23 comprising a nucleotide sequence having at least about 99% 74. identity to the nucleotide sequence of SEQ ID NO: 1.
- (new) The vector of Claim 23 comprising the nucleotide sequence of SEQ ID NO: 1. 75.
- (new) A MAR element between nucleotide 41701 and nucleotide 41900 of SEQ ID NO: 1. 76.
- (new) A MAR element between nucleotide 96401 and nucleotide 96800 of SEQ ID NO: 1. 77.